

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 August 2004 (26.08.2004)

PCT

(10) International Publication Number
WO 2004/071791 A1

(51) International Patent Classification⁷: **B60C 25/132**

(21) International Application Number:
PCT/US2004/003510

(22) International Filing Date: 6 February 2004 (06.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/445,986 7 February 2003 (07.02.2003) US

(71) Applicant (for all designated States except US): **DURR PRODUCTION SYSTEMS, INC.** [US/US]; 34300 Nine Mile Road, Farmington, MI 48335 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PELLERIN, Dan** [US/US]; 1372 Roberta Court, Howell, MI 48843 (US). **TEPER, Boris, R.** [US/US]; 29383 Breeze Wood, Farmington Hills, MI 48331 (US). **HOY, Brian** [US/US]; 5634 Mountain Road, Brighton, MI 48116 (US).

(74) Agent: **DEGRAZIA, Gregory, D.**; Howard and Howard Attorneys, P.C., 39400 Woodward Avenue, Bloomfield Hills, MI 48304-5151 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

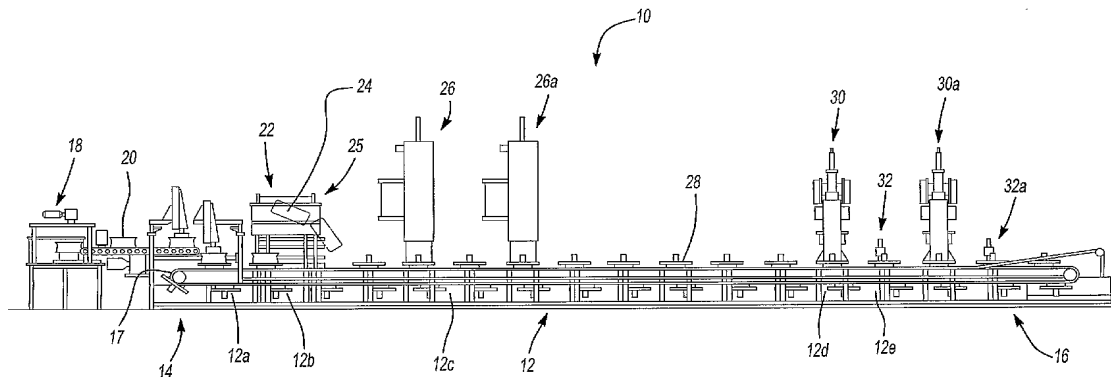
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ASSEMBLY LINE FOR MOUNTED UNITS



(57) Abstract: A tire assembly line (10) including a wheel soaping work station (18), a tire soaping workstation (22), a tire and wheel assembly station (26), and a tire inflation station (30). The assembly line is formed from a plurality of modules (12a, 12b, 12c, 12d, 12e) that are interchangeable and releasably connected to one another. The modules support an endless conveyor member (17) for circling movement. The endless conveyor member moves wheels and assemble tires and wheels along the assembly line between the work stations.

WO 2004/071791 A1